

SITE INFORMATION

Revised: 1/8/98

Current Site Name: Shanghai
Other Site Name:
Location: Shanghai Observatory, Peoples Republic of China
Site Number: 660
Geographic Region: Asia
Tectonic Plate: Eurasian

General Site Description: The station is located at the Shanghai Observatory in the Zi-Ka-Wei section. The laser system began operations in 1975 and was terminated in December 1982. A new laser was integrated and became operational in 1984. A 25-meter antenna has been constructed at this site for VLBI measurements. A PRARE antenna, a permanent GPS receiver, and seismometer are also located at the site.

Geological Province: Alluvial plain of the Yangtse Delta
Local Geology: SO-SE is a small hill in the Alluvium plains of the Yangtse Delta, interbedded with volcanic series of the mesozoic era
Site Topo Map: Unknown

CONTACT INFORMATION

Site Ownership: Peoples Republic of China
Site Management: Shanghai Astronomical Observatory (SHAO)
Contact Person for VLBI: Professor Qian Zhi-Han
E-mail: qzh@center.shao.ac.cn
Contact Person for SLR: Professor Yang Fu-Min
E-mail: xytan@fudan.ihep.ac.cn
Address: Shanghai Observatory , Academia Sinica
80 Nandan Road
Shanghai 200030, China
Telephone: 008621 4386191
Fax: 008621 6438618

MONUMENT INFORMATION

Revised 1/8/98

Current Site Name: Shanghai
Location: Shanghai Observatory, Peoples Republic of China
Site Number: 660
Number of Observing Monuments: 3
Surveyed into National Network? No

Monument Number: 7226
Type of Monument: VLBI reference point on antenna
Monument Inscription: None
Systems using Monument: 6-Meter Antenna

Latitude: N 31° 11' 24.64917"
Longitude: E 121° 25' 46.37757"
Elevation: 16.970 meters
Height above Ellipsoid: 18.154 meters
Geodetic Coordinate Source/Date: Ye Shu-Hua, Director Shanghai Observatory
/ 02-Jun-86
Geodetic Coordinate Datum/Ellipsoid: IERS ITRF94 (1993)
Elevation Datum:
Source of Monument Geodetic Survey Ties:
Comments: None

Differential Coordinates

Monument Number	Monument Inscription	X	Y	Z
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Differential Coordinates Not Available
This antenna is temporary until the 25-meter antenna is operational

MONUMENT INFORMATION

Revised 1/8/98

Current Site Name: Shanghai
Location: Shanghai Observatory, Peoples Republic of China
Site Number: 660

Monument Number: 7233
Type of Monument: Antenna Reference Point
Monument Inscription: None
Systems using Monument: 25 Meter Antenna

Latitude: N 31° 05' 56.98852"
Longitude: E 121° 11' 58.76679" meters
Elevation:
Height above Ellipsoid: 29.423 meters
Geodetic Coordinate Source/Date:
Geodetic Coordinate Datum/Ellipsoid: IERS ITRF94 (1993)
Elevation Datum:
Comments: This antenna is referenced as Seshan25 and is located near the fixed laser and the 6-meter antenna.

Differential Coordinates

Monument Number	Monument Inscription	X	Y	Z
7837	—	598.854	469.637	-154.972

MONUMENT INFORMATION

As of 1/8/98

Current Site Name: Shanghai
Location: Shanghai Observatory, Peoples Republic of China
Site Number: 660

Monument Number: 7837
Type of Monument: Center of 45 degree bending mirror (reference point on mount)
Monument Inscription: None
Systems using Monument: Fixed Laser

Latitude: N 31° 05' 51.14447"
Longitude: E 121° 11' 30.25870"
Elevation: 29.023 meters
Height above Ellipsoid: 27.767 meters
Geodetic Coordinate Source/Date:
Geodetic Coordinate Datum/Ellipsoid: LPM 8402 / 01-Nov-83
Elevation Datum: IERS ITRF94 (1993)
Comments: None

Differential Coordinates

Monument Number	Monument Inscription	X	Y	Z
7837	—	598.854	469.637	-154.972

SITE SKETCH

Current Site Name: Shanghai
Location: Shanghai Observatory, Peoples Republic of China
Site Number: 660

OCCUPATION HISTORY

Revised 1/8/98

Current Site Name: Shanghai
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Site Number: 660

SLR Occupations

Monument Number	Occupying System	Occupation Designator	Starting Date	Ending Date
7837	CHILAS	78373701	01-Aug-83	11-Dec-85
7837	CHILAS	78373702	12-Dec-85	23-Feb-86
7837	CHILAS	78373703	01-Mar-86	27-Oct-87
7837	CHILAS	78373704	27-Oct-87	07-Apr-88
7837	CHILAS	78373705	08-Apr-88	-----

VLBI Occupations

Monument Number	Occupying System	Occupation Designator	Starting Date	Ending Date
7233	SESHAN 25	72336101	10-Dec-88	-----

GPS Occupations

Monument Name	Starting Date	Ending Date	Network
SHAO	05-Jan-95	-----	IGS

Footprint Surveys

Survey	Starting Date	Source
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No footprint surveys were completed. See the station description notes for geodetic ties to other local geodetic stations.